## Claims

1. Method of recycling commingled plastics waste containing min. 30 wt.% of polyolefins to tough thermoplastic material characterized in that polymer components of commingled plastics waste are compatibilized by an admixture of 2 - 15 wt.% of an ethylene - propylene copolymer (i) or a styrene - butadiene block copolymer (ii) or a combination of an ethylene - propylene copolymer (i) and a styrene - butadiene copolymer (ii) in any weight ratio together, with 0.1 - 2.5 wt. % of a secondary aromatic amine (iii) and by subsequent melt processing of the mixture.

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- 2. Method of recycling commingled plastics waste containing min. 30 wt.% of polyolefins to a tough thermoplastic material according to Claim 1 characterized in that the ethylene propylene copolymer (i) is a copolymer with an average molecular weight M<sub>w</sub> of 40000 800000, which contains min. 15 % and max. 60 % of propylene units, the styrene butadiene block copolymer (ii) is a copolymer with an average molecular weight M<sub>w</sub> of 40000 300000, which contains min. 15 % and max. 60 % of polystyrene blocks with an average molecular weight M<sub>w</sub> of polystyrene blocks of min. 6000 and max. 60000, and the secondary aromatic amine (iii) is selected from the group consisting of N,N'-diaryl-1,4-phenylenediamine, N-alkyl-N'-aryl-1,4-phenylenediamine and of the reaction product of diphenylamine and acetone.
- 3. Method of compatibilization of commingled plastics waste containing min. 30 wt.% of polyolefins to tough thermoplastic material according to Claim 1 characterized in that the compatibilization is performed by processing the mixture melt in a one-screw or multi-screw extruder or in a batch kneader.